

Experience in Modernization of Spinning  
Machinery, by I. V. Popov.

RUSSIAN, per, Tekstil Prom, No 7,  
1958, pp 23-26.

CSIRO

Sed. - Engr  
Jun 62

199, 225

Popov, I. V.

AERIAL SURVEY AND STUDY OF LAND WATERS.  
CHAPTER II. FROM THE HISTORY OF DEVELOP-  
MENT AND APPLICATION OF AERIAL SURVEY IN  
THE USSR. (Aerofotos-emka i izucheniye vod Sush).  
27p MTWL-1149.

Order from OTS or ETC \$1.00

63-26686

Trans. of mosco. Aerofotos-emka i izucheniye Vod Sush,  
Leningrad, 1960, p. 17-21.

DESCRIPTORS: \*Aerial photography, Surveying, Water,  
\*Geological survey, History.

(Earth Sciences, TT, v. 10, no. 10)

63-26686

- I. Popov, I. V.
- II. MTWL-1149
- III. Stichting voor Moeilijk  
Toegankelijke  
Wetenschappelijke  
Literatuur (The  
Netherlands).

1252391

Office of Technical Services

Popov, I. V. and Kotlov, P. V., eds.  
THE STABILITY OF SLOPES. 1963, 83p  
Order from CB

Trans. of [Akademiya Nauk SSSR. Laboratoriya  
Gidrogeologicheskikh Problem. Trudy] 1961, v. 35.

DESCRIPTORS: \*Engineering geology, Terrain,  
Motion, Stability, Geology.

(Earth Sciences--Geology, TT, v. 11, no. 4)

TT-64-12127

I. Popov, I. V.  
II. Kotlov, P. V.  
III. Consultants Bureau  
Enterprises, Inc.,  
New York

Office of Technical Services

The International Division of Labor of the  
Socialist Countries in Power, by A. Voinov, I.  
Popov,

RUSSIAN, np, Ekonomicheskaya Gazeta, 6 Jun 1961,  
p 4.

FED Sum 3081

Star - Sino-Soviet Bloc  
Econ - Economic Cooperation  
19 Jul 61

Cooperation by the Socialist Countries in the Area of Power  
Engineering by I. Pagan, in  
RUBIN, op. Voprosy Miro, No 12, 1961, pp 111-112.

JPRS 20000

WW  
Ech  
Mar 64

200, 631

NY-1622

Third All-Union Hydrological Session, by  
A. I. Chebotarev, I. V. Popov, 8 pp.

RUSSIAN, per, Met 1 Gid, No 2, 1958, pp 47-50.

UB JPRS/NY-1622

Sci - Geophysics  
Jan 59

78.347

Viktor Aleksandrovich Priklonskiy (Memorial),  
by I. V. Popov, I. M. Gor'kova, F. V. Kotlov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 9,  
1959, pp 117-121.

AGI

Sci

Apr 61

149,651

(DU-46/4)

Production Costs of Nonferrous Metals in Bulgaria,  
by Dr. Popov, 15 pp.

BULGARIAN, per, Minno Delo i Metalurgiya, Vol XV,  
# 6, 1960, pp 35-39.

JPRS 6661

Bour - Bulgaria

Toon

140, 619

Feb 61

DEVELOPMENT OF BULGARIAN FOREIGN TRADE,  
BY IVAN POPOV, 5 PP.

BULGARIAN, PER, VUNSHNA TURGOVIYA, NO 11,  
1962, PP 1-3.

JPRS 17343

EEUR - BULGARIA  
ECON  
JAN 63

221,070

(FDD 22291)

Mutual Relation of Animal and Vegetable Nerve  
Systems in the Pathogenesis and Mechanism of the  
Treatment of Schizophrenia, by J. S. Popov, 18 pp.

CZECH, bk, Sovetski Lekari v CSR, Prague, 1951,  
pp 187-197.

CIA/FDD/U-6835

EEur - Czechoslovakia  
Scientific - Medicine, misc.

21, 768

CTS 64/Jan 55

(FDD 22292)

Some Peculiarities of Schizophrenic Thinking  
and Its Probable Pathophysiological Mechanism  
From the Standpoint of I. P. Pavlov, by J. S.  
Popov, 13 pp.

Czechoslovakia, bk, Sovetski Lekari v CSR, Prague, 1951,  
pp 198-205.

CIA/FDD/U-6836

EBur - Czechoslovakia  
Scientific - Medicine, misc.

21,764  
CTS 64/Jan 55

(FDD 22290)

The Role of Suppressed Utterances in Clinical  
Treatment of Mental Diseases, by J. S. Popov,  
12 pp.

CZECH, bk, Sovetski Lekari v CSR, Prague, 1951,  
pp 180-186.

CIA/FDD/U-6834

Ebur - Czechoslovakia  
Scientific - Medicine, misc.

21,763

CTS 64/Jan 55

Fundamental Formula in the Theory of FC  
Irreversible Thermodynamic Processes, by K. A.  
Papov, TSP

RESEARCH, for, ~~XXXXXXXXXXXX~~ ~~SECRET~~ ~~SECRET~~ ~~SECRET~~  
Vol 106, 1956, No 3, pp 422-424  
SIA TP-64-18605

*K. A. Papov*

Sci - Eng  
May 67

326,559

Progress in Electric Power Production, 1944-1964,  
by K. Porov, 14pp  
BULGARIAN, per, Elektroenergiya, No 7-8, Jul-Aug 64,  
pp 2-9  
JPRS 27232

Sci-Electronics  
Jan 65

271099

Youth on Combat Post, by P. Vasev, K. PORDY, P.  
Tsenkov, I. Angelkov, 4 pp. UNCLASSIFIED

BULGARIAN, np, Narodna Armiya, No 3092, 24 Aug  
1958, 2p p 2.

AF 1187347

EEur - Bulgaria  
Mil  
Jan 59

79,265

(SF-2188)

In the Institute of World Economics and Inter-  
National Relations, Academy of Sciences USSR,  
by K. Popov, 7 pp.

RUSSIAN, per, Mirovaya Ekon i Mez Otnosheniya,  
No 3, 1961, pp 151-153.

JPRS 13097

USSR  
Econ  
Apr 62

192,334

The Mathematical Foundations of the Theory of  
Irreversible Thermodynamical Processes, by Kiril  
Popov, 18 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,  
Vol XXVIII, Mar 1955, pp 257-282. CIA C 40846

American Inst of Physics  
57 East 55 St.  
New York 22, N. Y.

Scientific - Physics

31,659

Applying Thermodynamics of Irreversible Processes  
to the Phase Theory. The Case of the Two Component  
Two-Phase System at Constant Temperature and  
Pressure, by Kiril A. Popov. 63

RUSSIAN, per, Zh. Fiz Khim, Vol 32, 1958,  
pp 1638-47.

WAPD-tr-57

*Kiril A. Popov*

Sci - Chem

Oct 67

342,701

On a Single Basic Equation in the Theory of  
Irreversible Thermodynamic Processes, by Kiril A.  
Popov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVI,  
No 3, pp 422-

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol I, No 1

Sci - Phys

51, 613

Aug 57

Thermodynamics of the Oxidation of Propane -  
Oxygen Mixtures at Constant Temperature and  
Pressure, by Kirill Popov, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIII, No 10,  
1959, pp 2121-2127.

Cleaver-Hood Trans

Sci  
Jul 60

122 274

Measures for Increasing Far Eastern Salmon  
Stocks, by K. I. Popov.

RUSSIAN, per, Rybnoye Khoz, Vol XXXIV, No 8,  
1958, pp 9, 10.

Dept of Interior  
Marine Mammal Research  
Fish and Wildlife Service  
Sand Point Naval Air Station  
Seattle 15, Washington

Sci - Biol  
Jul 60

120, 248

92  
\*Number  
A Stator winding Machine of the OS-627  
Type, by I. M. Andruski, K. K. Popov.  
RUSSIAN, per, Elektricheskoe, No 5,  
1964, pp 27-28.  
ALL Ref: 3774.5 1065 (1266)

*I. M. Andruski*  
Sci-Magr  
June 66

301,514

Melioidosis (False Glanders), by K. N. Popov, 4 pp.

RUSSIAN, no per, Zhur Mikrobiol, Epidemiol i  
Immunobiol, Vol XXVIII, No 1, 1957, pp 125-128.

Pergamon Press

Sci - Med  
Jun 57

48, 921

(for NIH)

Photoelectric Device For The Rapid Determination Of  
Carbon In Ash, by K. N. Popov.

RUSSIAN, PER, Izv. Vuz. Energika, Vol 8, No 6,  
1965, pp 74-78.

GB 1.0/4257

K. N. Popov

Sci -

Sep 67

340,043

Production of Top-Grade Ammonium Sulphate, by K. P.  
Popov, V. F. Sokolov, 4 pp.

RUSSIAN, per, Koks i Khim, No 8, 1961.

CTRA

Sci

Feb 62

184, 805

Effect of Chromium and Manganese on Brittle  
Fracture of Low-Carbon Steel, by V. G. Savitskiy,  
K. V. Popov, V. F. Zakharov, G. M. Grigor'yeva.

RUSSIAN, per, Metal i Term Obrab Metallov, No 9,  
1959, pp 49-51.

HB 4974

Sci.- Min/Met  
Jun 61

156, P20

Directional Diffusion, Due to Deformation, of  
Hydrogen in a Solid Solution and Strength of the  
Metal, by K. V. Popov, V. A. Yagunova, 5 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol VIII,  
No 2, 1959, pp 187-192.

PP

Sci

134, 916

Dec 60

THE HYDROGEN BRITTLENESS OF IRON-CHROMIUM  
ALLOYS AS A FUNCTION OF THE TEMPERATURE AND  
THE TESTING RATE, BY V. A. YAGINOV, K. V. POPOV,  
11 PP.

RUSSIAN, PER, FIZ METAL I METALLOV, VOL XII,  
NO 2, 1961, PP 176-182. 9665760

FTD-TT-6B-444

SCI - CHEM  
JUL 62

204,471

Investigation of Dynamic Bending of Steels  
by Deformation Diagrams, by V. G. Savitskiy,  
K. V. Popov, L. A. Gayvoronskiy, 4 pp.

RUSSIAN, per, Fiz Metal i Metall, Vol VII,  
No 1, 1959, pp 133-135.

PP

Sci  
Aug 60

124.525

Hydrogen Embrittlement of Steels 20 and 20Kh by  
Electrolytic Saturation, by K. V. Popov, V. A.  
Yagunova.

RUSSIAN, par, Metal Term Odra Metallov, No 8,  
1959, pp 51, 52.

HB 4960

Sci - Chem

Apr 61

147, 441

LIVSHITS, B. G.  
POPOV, K. V.

Clarification of Phase Diagram of the Iron-  
Chromium-Carbon System.

D  
SOVLADY AKADEMII NAUK SSSR, vol 70, 1950, No 4,  
pp 633-5; 1550 words.

Brutcher No 2546, § 2.70

(NY-6104)

A Discussion of Standardized Designing and  
Prefabricated Construction, by Khrabur Popov,  
Nikola Neshev, Christo Rashenov, 24 pp.

BULGARIAN, par, Arkhitektura, No 6, Dec 1960,  
pp 14-18.

JPRS 9540

EEUR - Bulgaria

ECON

- 1 61

160,274

The Most Important Tasks in Bulgarian Electric

13

13  
The Most Important Tasks in Bulgarian Electric  
Power Production, 1965, by Eng. Konstantin Popov,

5 pp

ITALIAN, par, Elektromosivna, No 12, Dec 64,

pp 1-2.

JPRS 19797

EE-Bulgaria

Don

Apr 65

21,212

Peoples Squads and Red Tape, by L. Popov,  
B. Parizhskiy, *5 pp.*

RUSSIAN, p np, Leningrad Pravda, No. 225 (14171).  
21 Sep 1961, p 4.

\*ACSI I-2550  
ID 2232458  
525th MI Bn

USSR  
Mil  
15 May 63

Similarity-Chemical Features of Gaseous Products  
of a Polymer Membrane Reaction, by  
L. Popov, V. Yallockin.  
Doklady, Ser. Chem. Unit. Vol 37, No 7, 1964,  
pp. 100-102.  
GOST 13. 9468

Sci/ Tech Library  
Vol 60

300, 75

L. Popov

*L. A. Popov*

State of Coastal Walrus Rookeries  
in the Laptev Sea, by L. A. Popov.  
RUSSIAN, per, Okhrana Prirody i  
Oselenia, No 3, 1960, pp 95-104  
NTC 72-60187-06C

June 72

120 pp. In the human body and in the environment, by 27

A.F. Ushakovskaya-Bakavskaya, L.A. Ivanov.

RUS-1411, rpt. A-AC-12/1/L-1200.

AKC-tr-7330

*L.A. Ivanov*

July 66

304-1-64

ROLE OF AFFILIATES OF THE ACADEMY OF SCIENCES  
USSR IN DEVELOPING THE AGRICULTURE OF THE  
COUNTRY, BY K. P. BRACHEVSKIY, I. A. POPOV,  
6 PP.

RUSSIAN, PER, BYULLETEN' TEKHNIKO-EKONOMICHESKOY  
INFORMATSIY, NO 7, 1962, PP 78-80.

JPRS 16777

SCI - MISC

JAN 63

218,973

Ordering Atmospheres on Anti-Phase Boundaries in  
A B Superstructure (of the  $\beta$ -brass Type), by L. E.  
Popov, A. V. Kozlov, 3 pp.  
RUSSIAN, 1962, Dok Ak Nauk SSSR, Physics Section,  
Vol CLVII, no 4-6, Aug 1964, pp 1542-1544.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IX, no 6

Sci  
Mar 65

278,544

Effect of Quenching Temperature on the Formation  
of Short Range Order in Ni-Cr Alloys, by L. E.  
Popov, G. I. Karpov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5:  
1959, pp 1028-.

Amer Inst of Phys  
Sov Phys-Doklady  
Vol IV, No 6

Sci

Jul 60

120,700

Bivalent Serum Against Cholera and Erysipelas of Swine, by G. V. Gorlov, S. G. Kolesov, L. F. Popov, and I. G. Ivanskiy. UNCLASSIFIED

RUSSIAN, no per, Veterinariya, Vol XXIV, No 1, Jan 1947, p 25.

USDA

12, 106

Scientific - Biology

CTS/DEX

Pathogenesis and Treatment of Respiratory  
Disorders in Botulism, by L. M. Popova.  
RUSSIAN, per, Klin Med (Moskva), Vol 42,  
1964, pp 83-87.  
HEW NIM 2-83-66 (On Loan)

Sci/BHM  
Apr 66

298,834

Entomological Significance of Various Species of  
Insects in Turkmen SSR, by L. V. Popov, 6 pp.

1951, no. 1, Ye Ak Ebnik SSSR, Turkmenistano  
Mag. Vol VIII, No 1, Ashkhabad, 1951,  
1951.

CIA/IDB/1-3504

1951, no. 1

1951, no. 1

1951, no. 1

Concerning the Problem Involved in the  
Equivalence of Effect Exerted by the Rate  
and Temperature of Deformation of the Plastic  
Deformation Process, by L. Ye. Popov, 17 pp.

RUSSIAN, per, Iz Vysokiykh Ucheb Zaved-  
Fizika, No 3, 1958, pp 91-99. 9670175

ATIC MCI-448/1

Sci - Phys

Jul 61

161,342

I Do Not Agree, by M. Popov, *2 p.*

RUSSIAN, per, Znaniye-Sila, No 11, 1957,  
pp 37-38.

ATIC MCL-104/1

Sci

Dec 60

## NASA TT F-65

National Aeronautics and Space Administration.  
MODEL EXPERIMENTS ON ATOMIZATION OF LIQUIDS. (Modellversuche mit Flüssigkeitszerstäubung.)  
Mintscho Popov. July 1961. 33p. OTS price, \$1.00.  
(NASA TECHNICAL TRANSLATION F-65. Translation from Revue de Mécanique Appliquée, v. 1, no. 1, 1956, p. 71-88 (Rumania).)

The purpose of this paper is to determine the similarity laws for the atomization of liquids with constant material properties and to verify them by comparison model experiments. The analyses show that the effect of the viscosity of the gas was very small and that approximate model experiments can be carried out without considering the ratio  $M$  of the gas to liquid viscosity, a condition that is difficult to satisfy. The derived and experimentally verified similarity laws permit the modeling of the atomization processes of liquids whereby considerable simplifications in experimental procedure and generalization of the experimental data are made possible.

Copies obtainable from NASA, Washington

- I. Popov, Mintscho
- II. NASA TT F-65
- III. Revue de Mécanique Appliquée, v. 1, no. 1, 1956, p. 71-88 (Rumania)

(Initial NASA distribution:  
15. Chemistry, physical;  
20. Fluid mechanics.)

NASA

Action of Ammonia on Cycloheptanone in Presence of  
a Nickel Catalyst, by M. A. Popov, H. I. Shuykin,  
I. P. Belsky, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 7, 1957, pp 858-862.

Consultants Bureau

Sci - Chem

May 59

87,023

Catalytic Amination of Ketones of Various Structures,  
by M. A. Popov, N. I. Shuikin, O. L. Baranovskaya,  
4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 1, Jan/Feb 1953, pp 91-95.

Consultants Bureau

Scientific - Chemistry

Aug 54 CTS

17,102

Catalytic Synthesis of Nitriles. Communication 5.  
Conversion of Isoalkanols Into Nitriles by  
Means of Ammonia, by M. A. Popov, N. I. Shuikin,  
3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 10, 1961, pp 1855-1857.

CB

Sci  
Jul 62

205,127

On the Qualitative Determination of  
Vanadium, by M. A. Pupov, 4 pp.

RUSSIAN, per, Zavod Lab, Vol. XIII, 1947,  
pp 680-682.

ABU Tr-S130

Sci - Chem  
Oct 62

212,650

Catalytic Synthesis of Nitriles. Communication 2.  
Preparation of Nitriles From Aliphatic Alcohols and  
Ammonia, by M. A. Popov, N. I. Shikin, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11  
1959, pp 1992-1998.

CB

Sci -  
May 61

153,084

Catalytic ~~NEW~~ Synthesis of Nitriles. Communication

3. Preparation of Aromatic Nitriles, by

M. A. Popov, N. I. Shaikin, 4 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim  
Nauk, No 8, 1960, pp 1451-1456.

CB

Sci

169. 421

Sep 61

Phase Analysis of Dolomitized Gypsaceous Rocks,  
by M. A. Popov.

RUSSIAN, per, Zavod Lab, Vol XIII, No 2,  
1956, pp 157-160.

Assoc Tech Sv RJ-529

\$10.60 (\$1.50)

Sci - Geophysics  
Apr 1957 CTS/dex

46.788

Reductive Catalytic Amination of Mann Ketones,  
by M. A. Popov, N. I. Shilkin. UNCL

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, 1951, pp 140-144.

DSIR LIU (loan) M.214

Sci - Chem  
May 59

87,892

A Fractional Reaction for Cobalt, by M. A. Popov,  
2 pp.

Full tr

RUSSIAN, bino per, Zhur Anal Khim, Vol XI, No 3,  
May/Jun 1956, pp 357-358. CIA 9007075 C, Reel No 64

Consultants Bureau

Sci - Chemistry  
Dec 56 CTS

41,405

Catalytic Synthesis of Nitriles. Communi-  
cation 4. Cyanation of Allyl Alcohol with  
Ammonia by, M.A. Popov, V.I. Shuikin, 3pp.

RUSSIAN, per, Iz Nk Nauk SSSR, Otdel Khim Nauk,  
No 4, 1961, pp. 645-648.

CB

Sci  
April 62

200, 679

Catalytic Synthesis of Nitriles. Communication 1.  
"Nitrilation" of Butyl Alcohol with Ammonia in  
Presence of Nickel-Alumina Catalysts, by M. A.  
Popov, N. I. Shuikin, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 6, 1958, pp 713-718.

Consultants Bureau

Sci

Apr 60

112,257

Catalytic Amination of Alcohols, by M. A. Popov,  
N. I. Shukin, 6 pp.

Full translation.

RUSSIAN, bmo per, Is Ak Nauk SSSR, Otdel Khim Nauk,  
No 2, Mar/Apr 1955, pp 308-313. CIA D 151364

Consultants Bureau

Scientific - Chemistry

25, 944

M. G. Popov

The Genus Cicer and Its Species, by M. G. Popov.  
RUSSIAN, par, Bull. Applied Botany, Genetics, and  
Plant Breeding, Vol 21(1), 1929.

\*NTIS TT 71-51032

Dec 71

True Heat Capacities of  $UO_2$ ,  $U_3O_8$ , and  $UO_3$  at High  
Temperatures, by M. M. Popov, G. I. Gal'chenko, et al,  
5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 8,  
1958, pp 1734-1737.

AEC-Tr-4456

~~EXX~~ PL-480

Sci

Jun 62

PST 378

200,157

AEC-tr-4057(p.47-51)      Uncl.

ON THE EQUILIBRIUM  $UI_4 \rightleftharpoons UI_3 + I$ .  
M. M. Popov and M. D. Senin. Translated  
from Zhur. Neorg. Khim., 2: 1479-81(1957).  
French translation available as  
CEA-tr-R-597.

C-4    P    NSA

Second Japan Conference on  
Radioisotopes, Feb 1951

N2-5

Dissociation Pressure of  $\text{Li}_2\text{CO}_3 \cdot \text{H}_2\text{O}$  at 25-45°  
by N. M. Popov, Yu. V. Gagarinskiy, N. N.  
Stapchenko, 6 pp.

RUSSIAN, per, Zhur Georgan Khin, Vol II, No 7,  
1957, pp 1457-1459.

ABC-tr-4057

Sci - Chemistry

Doc 60

PST 84

134, 134

12 850

Fr-1

POPOV M. M., TAZETDINOV F. I.

T<sub>2</sub>O vapor pressures

Tensions de vapeurs du T<sub>2</sub>O

Atomnaya Energ., 8, No. 5, 420-424 (1960)

R. 1096 - French

Abs.: NSA, 14, No. 4, ref. 16637 (1960) - English

E u r a t o m

On the Equilibrium  $UI_4 \rightleftharpoons UI_3$  I, by M. M. Popov,  
5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 7,  
1957, pp 1479-1481.

AEC-tr-4057

Sci - Chemistry

Dec 60

134,123

EST 64

Specific Heats and Heats of Fusion of  $UO_2$  and  
 $UO_3$  and Heat of Transformation of  $UO_3$ , by  
M. M. Popov, G. L. Gal'chenko, M. D. Benin,

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 6,  
1959, pp 1241-1245.

Cleaver-Hume Press Ltd.  
London

Sci. Chem  
Jan 60

106,330

Enthalpy of Formation of Beryllium Fluoride,  $\text{BeF}_2$ ,  
V. P. Kolesov, M. M. Popov, S. M. Skuratov,

RUSSIAN, per, Zhur Neong Khim, Vol IV, No. 6,  
1959, pp 1233-1236.

Cleaver-Hume Press Ltd.  
London

Sci-Chem  
Jan 60

106,826

A Propos De L'Equilibre  $U_1 \rightleftharpoons U_1 + 1.$   
 (The Equilibrium  $U_1 \rightleftharpoons U_1 + 1.$ ), by M. M.  
 Popov, M. D. Senin (Senine), 8 pp.

FRENCH from RUSSIAN, per, Zhur Georg Khim, Vol II,  
 1957, pp 1479-1481.

Reverse Translation  
 AEC/CEA-Tr-11597

The Use of Angiocardiography in Physiological Experiments, by N. M. Popov, P. K. Klimov, 1 pp.

RUSSIAN, per, Byul Ekspier Biol i Med, Vol L, No 12, 1960, pp 108-110.

CB

Sci

Jul 61.

161,940

The Heat Capacity of Aqueous Solutions of Phosphoric  
Acid, by M. M. Popov, N. N. Fedodos, S. M. Skuratov,  
14 pp.

RUSSIAN, per, Trans Sci Inst Fertilizers, and Insecto-  
fungicides, USSR, No 110, 1933, pp 23-34.

SLA/R-2490

Sci  
Apr 59

84,893

Treating Wastes-Oxides at a Non-Ferrous Metals  
Combine in Plovdiv (People's Republic of  
Bulgaria), by I. T. Jordanov, M. Z. Popov,  
et al, 3 pp.

RUSSIAN, per, Tsvetnye Metally, Vol IV, No 1,  
1963, pp 23-29.

Primary Sources

Sci

Aug 64

264,423

New Method for the Selection of the Albomycin  
Producing Organism, by G. F. Gusev, G. V. Menstikova,  
O. L. Popova.

RUSSIAN, per, Antibiotiki, Vol 1, No 1, 1956,  
pp 18-20. CIA 9037524

WMA

Sci • Medicine  
Mar 59

83,528

Luminescence of Different Types of Luminophors Under  
Excitation by Short Pulses (A), by A. A. Bundel<sup>1</sup>,  
M. F. Popov and Ye. A. Chizhuncova, 2 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXI,  
No 4, 1957, pp 555, 556.

Columbia Tech

Sci - Phys

Jul 58

67,451

Hodoscope Based on Pulse Powered Small Diameter  
Counters, by A. G. Morozov, K. G. Nekrasov,  
M. I. Popov, 5 pp.

RUSSIAN, paper, Prib i Tekh Ekspert, No 7, 1959,  
pp 64-67.

Instru Sec of Amer

Sci  
Aug 60

122,269

Specific Heat of  $\text{Na}_2\text{CO}_3$ , and  $\text{NaOH}$  at High Temperatures  
by M. M. Popov, D. H. Ginzburg, 12 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVI, No 1,  
1956, pp 971-980.

Assoc Tech Serv 23J161  
\$7.50

Sci  
Aug 58

68,882

The Determination of the True Specific Heat of Solid  
Materials at Low Temperatures, by M. M. Popov, V. P.  
Kolesov, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 9,  
Sep 1956, pp 2385-2392.

Consultants Bureau

Sci - Chemistry  
Feb 58

58,928

Heats of Formation of  $\text{PuO}_2$  and  $\text{U}_3\text{O}_8$ , by M.M.  
Popov, M.I. Ivanov, 6 pp.

RUSSIAN, per, Atomnaya Energiya, Vol II, 1957,  
No 4, pp. 360-363.

Consultants Bureau

Sci - Nuc Phys

Jun 58

65,032

The Vapour Pressure of  $T_2O$ , by M. M. Popov,  
F. P. Tazetdinov, 8 pp.

RUSSIAN, per, Atom Energ, Vol VIII, 1960,  
pp 420-424.

AEC NP Tr-534

Sci - Phys  
May 61

150,377

Investigation of Mixed Crystals, III, by M. M.  
Popov, S. M. Skuratov, Z. N. Nikonova

RUSSIAN, no per, Zhur Obshch Khim, Vol X, 1940,  
pp 2017-2022.

AEC Tr 2348

Scientific - Chemistry  
Jan 56 CTS

2-9,742

Tension de Vapeur du Tetrafluorure d'Uranium,  
(Vapor Pressure of Uranium Tetrafluoride), by M. M.  
Popov, F. A. Kostylev, N. V. Zukova, 8 pp.

RUSSIAN to FRENCH, per, Zhur Neorgan Khim, Vol IV,  
1959, pp 1708, 1709.

Reverse Trans  
ORA Tr-R-1132

Sci  
Jun 61

Specific Heat of  $\text{Na}_2\text{CO}_3$ ,  $\text{Na}_2\text{SO}_4$  and ~~NaOH~~ NaOH at  
High Temperatures, by M. N. Popov, D. M. Ginstburg,  
2 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXVI, No 4,  
Apr 1956, pp 971-980.

Consultants Bureau

45,641

Sci - Chemistry  
Feb 1957 CTS/dex

Heat of Formation of Uranyl Fluoride and Heat of  
Reaction of Uranium Hexafluoride and Tetrafluoride  
With Water, by M. N. Popov, P. A. Kostulov,  
S. P. Karpov, 7 pp. UNCLASSIFIED 1A-964 9116

RUSSIAN, per, Zhur Neorgan Khim, Vol II, No 1,  
1957, pp 8-12.

Sci Ann Lib Tr 38/0050

AEC Tr 4051

Sci - Chem  
Sep 58

PL-480

PST-78

73 3.56

Latent Plastic Deformation Energy of Aluminum  
and Copper Alloys, by M. M. Popov, S. W.  
Fitzpatrick, S. M. Brumetov, E. M. Malinin, 9 pp.

Materials, Int. J. of Metals & Metallurgy, Vol. VIII, 1959, pp 103-114.

PP

Sci  
Oct 60

132, 655

The Average  $\beta$ -Particle Energy and Decay Constant of  
Tritium by M. M. Popov, Yu. V. Gagarinskiy, M. D.  
Senin, I. P. Mikhailenko, Yu. M. Morozov, 3 pp

RUSSIAN, per, Atom Energ, Vol IV, No 3, 1978, pp 296-  
297

Sci - Nuclear Phys

Feb 79

80,903

Determination of the True Specific Heat of Powdered  
Substances at High Temperatures, by M. M. Popov,  
G. L. Galchenko, 15 pp.

Full translation.

RUSSIAN, per, Zhurn Oshch Khim, Vol XXI, No 12,  
Dec 1951, pp 2227-2239.

U.S.A. D 112342

0220-2239

SLA-R-255

Consultants Bureau

USER

Scientific - Chemistry, substances, temperatures

1949

Investigations on Lipotricases in Grain Crops in  
Relation to the Problem of Fertilizing in the East,  
by N. P. Tolstov, D. A. Gubarev.

Abstract, per. Bibliograph. Service, Leningrad, U.S.S.R.,  
1960, pp. 4, 80-879.

01/50

Sci-88/11

Oct 62

(SP-1857)

Machining Qualities of Some Rumanian High-Speed Steels, by M. P. Popov, E. D. Deciu, I. Mitrica, 14 pp.

RUMANIAN,  
~~RUMANIAN~~, per, Metalurgia de Masini, Vol XIII,  
No 3, 1961, pp 212-217.

JPRS 13266

EEur -- Rumania  
Econ  
Apr 62

190,668

Investigations on Lipoxidases in Grains Crops in  
Relation to the Problem of Rancidity in Groats., by  
M.P. Popov, D.A. Chelisev.  
RUSSIAN, per Biochim. Zerna, Vol. 5, 1960, pp 263-279.  
NLI/M. 5173

*M P Popov*

Sci -  
July 1967

4  
33-653

Isothiocyano- and Isothiocyanobis-~~NEED~~ Bis-  
Dimethylglyoximicobaltic Acids, by A. V. Ablov, N. M.  
Samoc, and M. S. Popov, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 3, 1956, p 665.

41,499

Consultants Bureau

Sci - Chemistry  
Dec 56 CTB

Nee for Improvement of Tractor-Mounted Farm Equipment,  
by N. Popov, 5pp  
RUSSIAN, per, Tekhnika v Sel'skom Khozyaystve, No 8,  
August 1964, pp 56-58  
JPRS 27395

USAR

Eco

Jan 65

271,117

Memorandum for Captain Improvement of Navigation Conditions  
in the Black Sea, by L. B. Buzov, 7 pp.  
BIRMINGHAM, per: Railway Transport, 100 1, 1941, pp 25-27.

ACR 1-410  
ED 220100074

1200  
1000  
Mar 44

212,041